The invention relates to an electrode arrangement for generating shock waves by electrical discharging between electrode tips (12, 13), which arrangement is particularly suitable for use as an ESWL (Extracorporal Shock Wave Lithotripsy) electrode in a shock wave source for the pulverization of kidney stones or as an electrode in an apparatus for Extracorporal Shock Wave Therapy (ESWT). The electrode arrangement is characterized notably in that at least one of the electrode tips (12, 13) can be replaceable arranged in an associated electrode holder (14, 15), the electrode tip and the electrode holder being provided with corresponding fitting contours so as to achieve mutual locking. This enables very economical replacement of spent electrode tips by the user.

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Fig. 3